Preventing Erosion

Tile Drainage, Surface Ditching and Proper Turning Under of Furrow Will Aid

By C. E. LeClair, Instructor in Agronomy, College of Agriculture. University of Missouri

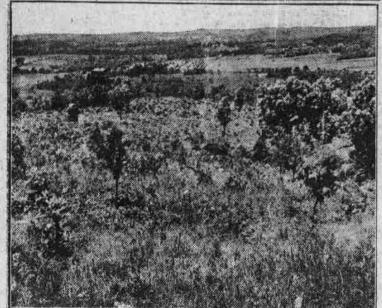
broken country of Missouri, heavy compared with the following years. rains are bound to remove some of Soil kept rich in organic matter re the best of the soil, leaving the heav- sists the ravages of surface water. ier, sandler material which is always poorer in quality. This process of plowing should always be done parwashing away the finer, rich soil in- allel with the contour of the hill. As contain the bulk of the essertial plant cutting during the spring torrents will foods, phosphorus, potassium and ni- be prevented.

rolling or hilly land by a mat of grass mitting drainage with the contour. On with a network of fine rootlets which the more gently rolling land, where

In the gently rolling to severely turned under there is little wash as In preparing hillsides for corn, the

gredients is called erosion. All soils | lowing is done in the fall, the land are composed of clay, silt and sand should be left in the rough over winparticles mixed with organic matter, ter. Dead furrows should to placed Clay and silt are both easily removed so that they lead to a sodded strip or by the washing of the rains. Unfor- ravine at the end of the field, thus tunately, these two soll constituents they will be effective drains and deep

When corn is checked, the first cul-The cultivation of soil by man is an divation should be up the hill, so that unnatural condition. Nature protects later plowings will have furrows per-



Typical Missouri Topography Showing Nature's Way of Preventing Erosion.

enmesh the soil particles. Often the plowing must be practiced more fresteepest slopes support timber growth, quently, it is often advisable to have a the dead leaves of which provide a cover crop, such as rye, on the land blanket of spongy material which has over winter. the ability to drink in a great deal of

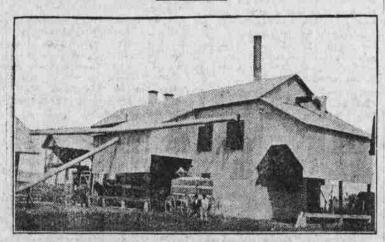
there are few farms which do not have a great loss of plant food.

New land does not wash as does the older cultivated soil, because the or-It is perfectly practical to cultivate ganic matter binds the mineral grains rolling lands and maintain a reserve together. Retaining the organic confund of fertility if the ways of nature tent of soil indirectly prevents erosion. are imitated as far as possible. Steep Where little precaution is taken in hillsides should be kept in a perma- this regard it has been estimated that nent pasture. Very broken land should the loss to the soil by erosion is as be kept in grass whenever feasible. As much as one-tenth of an inch of sura rule, even in the roughest country, face soil in four years. This means

considerable level strips. These flats By diligent practice of these sugshould be utilized for the tilled crops, gestions the reserve fund of fertility At the same time the hillsides may will be kept permanent and the unibe put in corn once in four years, as formity of the field will make farming the first year after the sod has been operations less difficult to handle.

Cotton Growing in Missouri

By A. R. Evans, Assistant In Agronomy, College of Agriculture, University of Missouri



Cotton Gin in Missouri.

One of the richest sections in the | Missouri for last year was 286 pounds cotton belt is found in the sandy loam of lint cotton an acre. Although very Mississippi bottoms of southeast Mis. few people are trying to improve the Mississippi bottoms of southeast allssouri. In 1911 the production reached
about 100,000 bales of cotton, with an
approximate value of \$5,000,000 to
appro \$6,000,000. There are 100 gins to hanmost improved methods are used. The dle the crop and four large oil mills to crush the seed. The seed in 1911 to the acre. amounted to 42,000 tons, yielding 1.500,000 gallons of oil and over 20,000 of cotton and the farmers should cotons of cottonseed cake.

The reports of the United States department of agriculture show that ton is probably the least exhaustive we should have a total production of of any of our farm crops. Duggar esti-70,000 bales for 1913. This produc- mates that where only the lime is retion could be greatly increased by moved from the land only 42 cents' more scientific methods of farming worth of fertility is lost when a bale and seed selection. This same report of cotton is sold. The seed is very shows the average yield an acre for rich in nitrogen. Atter the oil is the United States for 1913 was 162 pelled the cottonseed cake should be pounds, while the average yield in ted on the farm or used as fertilizer. ······

Cultivating Corn.

Usually the cultivation of corn This is an especially good practice if be small enough so that the animals planting has been followed by a rain will consume a quantity each day that has packed the soil and caused equal to a layer of at least two inches stirring the top soil, kill the weeds and at the same time more feed can and grasses which have started, and be stored in the same space throw out more seed to sprout and be Except with a very large herd it is killed by later gultivation. An ordinate advisable to build a silo more than

and again before it is large enough to eter.

Size of Sile to Build.

production there last year was a bale

Each locality should grow one kind

operate in the marketing of their crop.

With proper farming practices, cot-

The size of the silo to build depends should begin by harrowing lightly be upon the number of animals to be fed fore the corn comes up, or at least As a rule, the mistake is made of once or twice before the corn is large building the silo too large in diameter enough to cultivate with a cultivator. rather than too small. The silo should a crust to form on top through which over the entire surface. Sliage keeps the plants cannot break. Early har- better in a deep silo than in a shallow rowing will also conserve moisture by one, because it is more firmly packed

nary spike-tooth harrow or weeder is 16 feet in diameter. If more capacity is needed a second silo should be con-If conditions will permit, it is well structed. As a rule the height of the less stations indicate that birds are ing a small clique in her town refer to harrow once before the corn is up silo should be at least twice the diam- disturbed in a singular way by the to themselves as the "smart

cultivate in the ordinary way. When After the silo is opened silage are apparently the principal sufferers, senator and asked him what he underthe corn is large enough to cultivate, should be taken out regularly. Other but that also large numbers of doyes stood by the term "the smart set." it should be plowed fairly deep and wise that which is exposed to the air are in some way prevented from find- He replied: "I think I can give you close the first plowing, so as to kill at the surface will spoil within two or ing their way home when there are an inkilog. In the eastern part all grass and weeds that may have est three days. The amount of silege Wireless stations in the line of flight Colorado and in the western part of caped the harrow. Get the field ordinarily fed to a dairy cow or to a This strange phenomenon is attributed Nebraska there is a large tract of cleaned out is early as possible, i - it mature beef animal of the same size to some effect of the ether waves not land known as the rain belt. It is more easily done then than later. Is from 30 to 40 pounds a day.

CITY OF MEXICO PLACE OF TERROR

Medill McCormick Tells Perils Met in Huerta's Capital.

AMERICANS KEPT IN PRISON

Correspondents Are Arrested and in suited-Trade is at a Standstill and All Feel Dictator's Government is Doomed.

By MEDILL M'CORMICK, Special Correspondent in Mexico e

the Chicago Dally News. Vera Cruz, Mexico, May 12.-Ameri are in prison in Mexico City held incommunicado in places unknown to the Brazilian legation. I do not know how many are so held by the police. When I left Mexico City on a French special train for Puerto Mexico, Walter Whiffen of the Assoclated Press was under arrest for the second time within 24 hours. Mr. Doster of the International News service was in jail, and so was Mr. Sutton of the Washington Post. An American named Schuler and a locomotive engi neer who had returned from Cuba looking for his family were also in

Luis d'Antin, interpreter for the American embassy, dares not leave the precincts of the Brazilian legation, while his wife is afraid to leave the but for the intervention of the repre sentatives of Argentina, Brazil and Chile, the mediating powers.

Americans Are Not Safe. The City of Mexico is inarticulate dazed, afraid. Americans are not safe there and they ought to leave. Other foreigners are alarmed. Mexicans do not speak aloud the names of conspicuous men or of strategically important places. There are Mexican spies everywhere and everywhere they are looking for American sples. The Mexican authorities hold that war exists, but that there is an armistice by virtue of the mediation of the "A.-B.powers. Yet no American is permitted to send a cable message or telegram. I had to get a foreign friend to inform my family and the Daily News of my release a second time and he doubted whether the message had passed the censor.

Press messages by correspondents who are not Americans are censored so that they are valueless. Although bidden to cable home, they cannot go to the British or German legation for card. protection. There may be reasons of high diplomacy why Brazil should represent our interests in Mexico, but it is a fact that although he does his Senor Cardoso de Oliviera is unable sufficiently to protect our fellow citizens in Mexico City if there be rioting. Even if there is none I am afraid we shall be sorry that the care of American interests was taken out of the hands of Sir Lionel Carden, the British minister.

Suspicion and Menace in Air. from Vera Cruz we went about looking ranks. for lodging and food. Suspicion and menace were in the air. Rurales and police with firearms patrolled the either side. They drove a crowd Many flags hung from the windows for painted face and decked with finery.

mission to see certain well-informed foreigners and Mexicans, to bring out the city the news of conditions officer which the censor refuses to pass and which, indeed, it would be dangerous for a resident to go about collecting. I saw important members of the French, German and English colonies. as well as Americans. I have reason to believe that no correspondent for weeks has been able to receive such important expressions of opinion.

Huerta Government Doomed. The Huerta government cannot advance against General Villa, starved atical. There is now talk of General Huerta's overthrow by local revolution and of his assassination. I saw him

ward Vera Cruz for that purpose. Trade is at a standstill. No freight of passenger trains has been radically way has been taken by the government from its English owners. Peo ple fear a sacking of the city by the victorious Villa forces or its looting by the mob if General Huerta is killed went to the office of the inspector of or overthrown by a local revolution.

They Advocate Intervention. Thus it happens that some Mexicans and nearly all foreigners now advocate intervention. Everywhere, I asked | confined for twenty-four hours without

First-"If General Huerta resign and ton also was there, Oakley vouched the Carranzistas consent to a compro- for us and presently we were taken hise, are there enough elements out to the Brazilian legation and after an of which a reasonably representative hour's parley were released upon our government can be constituted?"

Effect of Wireless on Birds. Observations made in sections of

"Meant Sarcastic." A lady in a town lying under the the world where there are many wire- Rockies was much distressed at heartreless waves. It is stated that gulls She appealed to an ex-United States

powers give to the United States their moral authorization to intervene. If the Huertistas and Carrancistas re-Child's Dress of Embroidered Batiste fuse to compromise their differences,

ONE of the prettiest models for lit- of embroidered batiste edged with the girls' dresses is from the established the same lace. The sleeves are of

lishment of Berthe Raulin, and its the all-over val edged with the same

freedom at the lower edge of the three each up the front and back. The

broidered daisles are applied to both | than this, which is in the best mode of

Summer Wrap of Taffeta

lace as that in the bottom of the skirt

and on the collar. This collar ex-

tends over the top of the sleeves like

A soft ribbon, about five inches

wide, is drawn through the skirt where

A short space is left at the side of

each flounce. The ribbon is threaded

through this. It extends under the

skirt, from one space or slash to the

next, and is tied in a knot at the front

Small flat crochet buttons, barrel

shaped, are placed in four groups of

dress fastens with flat pearl buttons

It would not be easy to find a more

beautiful or delightfully childish model

the French designs of children's

and in a flat bow at the back.

under a fly at the back

the flounces of val lace are set in

a wide epaulette.

daintiness and simplicity speak well

for the Paris modiste. Fine mull or

batiste is the fabric upon which there

is a moderate amount of hand em-

broidery in eyelet work and flat

The scant fullness of the dress is

provided by single box plaits at the

front and back. There are two at each

side of the middle panel. The lower

edge of the skirt is cut in squares at

the front, back and each side. A flounce

of imitation, all-over val lace, edged

with a narrow edging of the same

kind of lace, is set in at each of the

square openings. This gives plenty of

There is a border outlining the low-

er edge of the batiste, of a strong

lace in Irish crochet pattern. The em-

There is a yoke and collar in one dresses.

the batiste and this lace.

dalsies.

Second-"Is a single presidential autocrat necessary to the preservation of order in Mexico?"

"No, if a compromise government to ssured of American military support in the event of further revolution.

Pessimism is General.

But none of those with whom I talked was sanguine. All considered compromise possible rather than probable. I shared their pessimism as l went past the battered American club to the beleaguered and worried little Brazilian minister. What hope is there for a people whose government builds an opera house more beautiful than any such building in the British em-pire or the United States, while the majority of the people have neither letters in their heads nor shoes on their feet?

Henry Rice, who used to live in Chicago, took me to the general of police We drove past cabmen who looked and dressed like blanket Indians and past officers as smartly uniformed as the French artillery staff. The general gave us permission to leave the city. We hurried pass the boulevarded Y. M. C. A. building to the French special train, on which we had been invited to go to Puerto Mexico, les the general of police change his mind Describes His Experiences.

I do not like to give too much space to our own experiences, but I must re late them in so far as they illustrate conditions and the attitude of the Huertistas toward Americans. Twice we were arrested and once held incommunicado a short time and searched as spies for incriminating house in which she is hiding. The documents. Thursday morning Rich-Mexicans would have taken d'Antin, and Harding Davis, Frederick Palmer and I left Vera Cruz by train for the gap in the railway where the Mexicans cut the track April 22. It is not surprising that we were stopped. It is surprising that two of us got to Mexico City and back again with so little

Palmer has the appearance of an American man of letters. Davis says the farther we advanced into the interfor the more I looked like a shaven Uncle Sam. Davis himself looked to me like a mixture of John Drew and Theodore Roosevelt shaken well before using. He and I, anyway, seemed selected for defeat. Adam Weimar, a German-American employed by the Banco National, who started with us from Vera Cruz, did what he could to help us. Davis had letters from the Brazilian consul to his minister in Mexico City I had a personal letter from the French consul introducing Davis and me to General Maas, while in addition I had a certificate which showed that I represented a great English newspaper. Our credentials, like Americans are not safe and are for Mercutio's, were not much, but enough, but Palmer had only a visiting

> Men Placed Under Arrest. From the gap we rode by rail to Paso del Macho, where we stopped for luncheon.

It was very hot and the platform was packed with waiting Mexican refugees from Vera Cruz. Suddenly I saw Davis going through the crowd with a shabby little officer at his elbow. As I started to his rescue another officer, still shabbier, tapped me on the arm and invited me to follow him. I did. As the guard closed When Richard Harding Davis and I around us we turned to welcome reached Mexico City after our trip Palmer's solemn accession to our

Off to the fall we marched, little sandaled soldiers shuffling along on streets, which by day were almost as men and women out of the jail court bare of life as by night. Every auto- into the jail and asked us for our pamobile bore the flag of its owner. pers. They read the papers and then offered a chair first to Palmer, not to the protection of the houses and gave sit on, but to facilitate the removal of the city a sardonic look, like that of his boots to see if his socks contained a horrid old woman dying with a dispatches. They searched us, but I politely refused to give up my letter Saturday morning I set about my to General Maas, which saved us. I unlimbered my Spanish. They put us in a nice cell and sent for another

Sentinel Loads His Gun.

Meanwhile a lieutenant, who looked like a doorkeeper in a "movie" show, but a sentinel over each of us and ostentatiously loaded his gun. Davis said something by way of condolence. "Silencio!" said his sentinel.

So we sat, cross, hot and mumabove all, mum. Presently came a lieutenant who could speak French. I unlimbered that language, too, and out we were sent without a guard. Genas it is for revenue and ammunition, eral Maas was very civil. He did not and presently it must fall. How long ask Davis or me about our nationality, it can resist Villa's advance is problem- but Palmer's visiting card would not do. He had to go back to Vera Cruz.

We had no more adventures. A drunken brakeman said he was death out automobiling. Many people think on Americans, but if we were English that he wishes to provoke intervention we could give him a few centavos for and that he sent General Navarett to- beer. At Orizaba we spent a comfortable night in a hotel kept by a Frenchman. Friday we left for Mexico City. is moving on the railronds and oil fuel it was not until we were leaving the becoming so scarce that the number railroad station for our hotel in the capital that anything befell us. Then reduced. Control of the Mexican rail- a young man with the manners of a hotel runner stopped us. We discovered that he was a detective.

ready set upon these features. Accompanied by this man and The figure, as managed in the new half a dozen of his colleagues, we police. With us went E. T. Oakley. resident correspondent of the London Times, to see us through. There we arbitrary draping and loose adjust- taffeta. found Walter Whiften, who had been ment to the figure there is no lack of elegance in the fashionable apa bed, linen or sanitary facilities. Sutparel of today. One may embody these style features in a garment like the little coat shown here in a managreement to leave the city within to the wearer. "Yes," was the answer most frequent- twenty-four hours and to send no news ly given, "if they and the mediating by mail or cable during our stay there.

sprays of the flowers ran up each Summer Stockings. Embroidered clocks on stockings side of the stockings and peeped out are never more appropriate than when my little lady's skirts were when worn with an organdle dress or raised ever so slightly. a white lingerie gown that has upon it a touch of colored ribbon. If the colored ribbon is omitted, embroidered steckings can be worn just the same, for the embroidery can be in white courtesy.-Herbert. also. A dainty southern girl known for her good taste in dress were with a blue-and-white figured organdie white at pretty fingers she had em- "Did you?" How much is it?"-Detroit broiders! forget-me-not clocks, Tiny Free Press.

NOTHING could set forth more clear | gowns is not crushed by them, they ly the fashion in figures than the | are easily slipped on or off, and they coat of taffeta which is shown in the are cool and crisp looking. Like linen picture. The flat chest, low bust, ab- they are prone to become wrinkled sence of waist line, and loose hand and must be occasionally dampened of the coat are all items to reckon and prossed with a warm iron. It is with in choosing apparel to meet the said the most satisfactory way to latest whims of those who create dampen a taffeta garment is to hang styles. And the approval of those it near an open window or door on a who make styles into fashions, by rainy day and allow it to pick up adopting and wearing them, is al- moisture from the air. It should be pressed under a thin clean cloth.

The three views given of the coat modes, is straight up and down, or pictured here show clearly the outappears so, with curves only those lines of the garment and may be provided by drapery and placed to taken as a criterion in the matter of suit the modiste. But in spite of this shaping the popular summer coats of

JULIA BOTTOMLEY.

Business Footing.

An heiress refused a conceited money seeker by asking him: "Why should ner that is attractive and becoming I marry you? I don't love you." The man had the impertinence to reply: Light taffeta coats promise well for "Oh, that's all right. I would not be mid-summer wear. The alriest of athome much.

> Be calm in arguing; for flerceness makes error a fault and truth dis-

"I had my fortune told last night."

Are Your Kidneys Weak? You may have kidney trouble and not know it. The only signs may be occu-sional twinges in the small of the back, enstant lameness, dizzy spells or some moying irregularity of the kidney action. But no sign of kidney trouble can be safely ignored. Kidney disease moves rapidly. It leads to dropsy, gravel, Bright's disease, rheumatism.

If you suspect that your kidneys are stuggish, use Doan's Kidney Pills, which have relieved thousands.



Get Doan's at Any Store, 50c a Box ILBURN CO., BUFFALO, N. Y



JUST SAVED THE SITUATION

British Royalty's Narrow Escape From What Might Be Called "Simply Awful" Position.

When truth gets a fair inning she rarely fails to be much funnier than fiction. Strange to say, old England, where truth is supposed to be always dismally sober, now and then makes quite a merry record. A rector of the Church of England, in a remote parish in Wiltshire, recently discovered among his parishoners a fine old figure of a woman, age one hundred and four, the widow of an innkeeper. This ancient dame has eight sons living. six of whom have served in either the army or the navy. The rector wrote informing King George of these things, and the king ordered a warm congratulatory telegram to be sent to her.

Just as the telegram was sent off. the rector having received additional testimony concerning the "old un," wrote again, explaining that she had been twice divorced, and had not gone through the marriage ceremony at all with-the man of her latest household. Another wire was promptly set at work at the king's command, ordering the postmaster at the other end to stop delivery of the royal congratulations, and that functionary had barely time to grab the coattails of the messenger with the bicycle as he was about to make delivery.

Efficacious, But-

Ex-Speaker Alfred E. Smith, who defeated the Goethals police bill at Albany, N. Y., said at a dinner: There are better ways to improve

the force than this Goethals bill.

They're not such showy, not such attractive ways, but they're better. "And the mayor, turning from them

with repugnance, is like the girl who "How can I learn to stand and sit

in the new round-shouldered, bent over, slouching attitude, ma?' "The girl's mother stopped her work, and, leaning on her broom, re-

"'A good way, perhaps, would be to tire yourself a bit each morning by

helping with the sweeping and dusting and dish-washing."

Pleasant for Preacher.

A mother sent her little daughter down to open the door and entertain the minister, Mr. Blank, while she finished dressing. When she appeared the little kitten ran in ahead of her, and the tiny maiden jumped up and down and screamed at the top of her voice; "Oh, kitty, kitty, go out quick." The mother was horrified and said:

'Daughter, what makes you act so?' "Well, mother, dad said last night 'that Mr. Blanks sermons were enough to make a cat sick,' and I don't want want mine sick.

LIVING ADVERTISEMENT Glow of Health Speaks for Postum.

It requires no scientific training to discover whether coffee disagrees or not.

Simply stop it for a time and use Postum in place of it, then note the beneficial effects. The truth will appear. "Six years ago I was in a very bad

condition," writes a Tenn. lady. "I suffered from indigestion, nervousness and insomnia. "I was then an inveterate coffee

drinker, but it was long before I could be persuaded that it was coffee that hurt me. Finally I decided to leave it off a few days and find out the truth.

"The first morning I left off coffee I had a raging headache, so I decided I must have something to take the place of coffee." (The headache was caused by the reaction of the coffee drug-caffeine.)

"Having heard of Postum through a friend who used it, I bought a package and tried it. I did not like it at first but after I learned how to make it right, according to directions on pkg., I would not change back to coffee for

anything. When I began to use Postum I weighed only 117 lbs. Now I weigh 170 and as I have not taken any tonic in that time I can only attribute my present good health to the use of Pos tum in place of coffee.

"My husband says I am a living advertisement for Postum." Name given by the Postum Co., Bat-

Postum now comes in two forms: Regular Postum - must be well

bolled. 15c and 25c packages. Instant Postum-is a soluble pow-der. A tenspoonful dissolves quickly in a cup of hot water and, with cream and augur, makes a delicious beverage instantly, 30c and 50c tinn.

The cost per cup of both kinds in almut the same. "Thurn's a Reason" for Postune.

-note by Greens